

## **New Biocompatible Contact Lens Materials Developed**





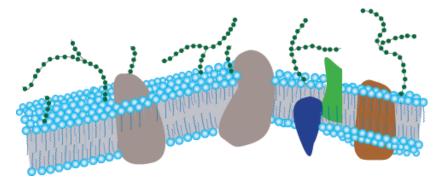


LBNL/Sunsoft Corporation
team has developed two new
contact lens materials for
increased biocompatibility.
One is now being prepared for
clinical trials.

Carbohydrate hydrogels mimic cell surfaces and bind water but not protein.

Carbohydrate HEMA

Biomimetic copolymer



Normal cell surfaces display carbohydrates (green) on their surfaces.

Sulfoxide groups expressed at lens surface confer high water content and retention and low protein adsorption.

Sulfoxide HEMA HEMA/sulfoxide copolymer

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